

## A B S T R A C T

For the or each moving wheel of the turbine, blade inserts are used each comprising at least two blades interconnected by common outer and inner platforms and sharing a common root. Inserts are used having hollow roots in which respective recesses are formed, and the roots of inserts belonging to the same wheel and/or the roots of inserts belonging to two different wheels are voluntarily given different configurations in the inserts of the roots so as to adjust the resonant frequencies of said inserts to values that are significantly different, thereby ensuring that the inserts in the same wheel and/or between two different wheels are out of tune. The invention is applicable to turbines both for aviation and for industrial applications.